

Title (en)

Method and apparatus for closing an opening in a container

Title (de)

Verfahren und Vorrichtung zum Verschliessen einer Öffnung in einem Behälter

Title (fr)

Procédé et dispositif pour fermer une ouverture dans un récipient

Publication

**EP 0770547 A1 19970502 (EN)**

Application

**EP 95202883 A 19951024**

Priority

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Abstract (en)

The present invention relates to a method for closing an opening in a container (12) comprising a neck part (13) surrounding the opening (14) and an outer groove or grooves (15) in said neck part (13) extending along the opening (14) on at least two opposite sides thereof, by forming a lid over the opening in the container. Said method comprises covering the opening (14) with a cover (16) extending beyond the opening, forming the cover (16) over the neck part (13) and pressing the cover (16) into the groove or grooves (15) of the neck part (13) and thereby creating a plastic deformation of the cover (16) by means of at least partly inflating at least one flexible inflatable hose (18) so as to form a lid over the opening (14) engaging with said groove or grooves (15). The present invention furthermore relates to an apparatus for closing an opening (14) in a container and to closed containers. The invention may be carried out with pre-shaped covers (16). <IMAGE>

IPC 1-7

**B65B 7/28**; **B67B 3/16**

IPC 8 full level

**B65B 7/28** (2006.01); **B67B 3/16** (2006.01)

CPC (source: EP)

**B65B 7/285** (2013.01); **B67B 3/16** (2013.01)

Citation (applicant)

- DE 3047932 A1 19820715 - BENZ & HILGERS GMBH [DE]
- FR 2429155 A1 19800118 - NYFFELER CORTI AG [CH]

Citation (search report)

- [X] FR 2036425 A5 19701224 - PERRIN JEAN
- [X] US 2349524 A 19440523 - RUDOLPH SONNENBERG
- [XY] US 2013304 A 19350903 - GLUNZ HENRY F
- [Y] GB 812887 A 19590506 - OTTO JOHANNES BRUUN
- [Y] US 3073088 A 19630115 - FRED WHITE

Cited by

CN103922253A; CN107572466A; CN107827054A; CN108275632A; CN107826286A

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